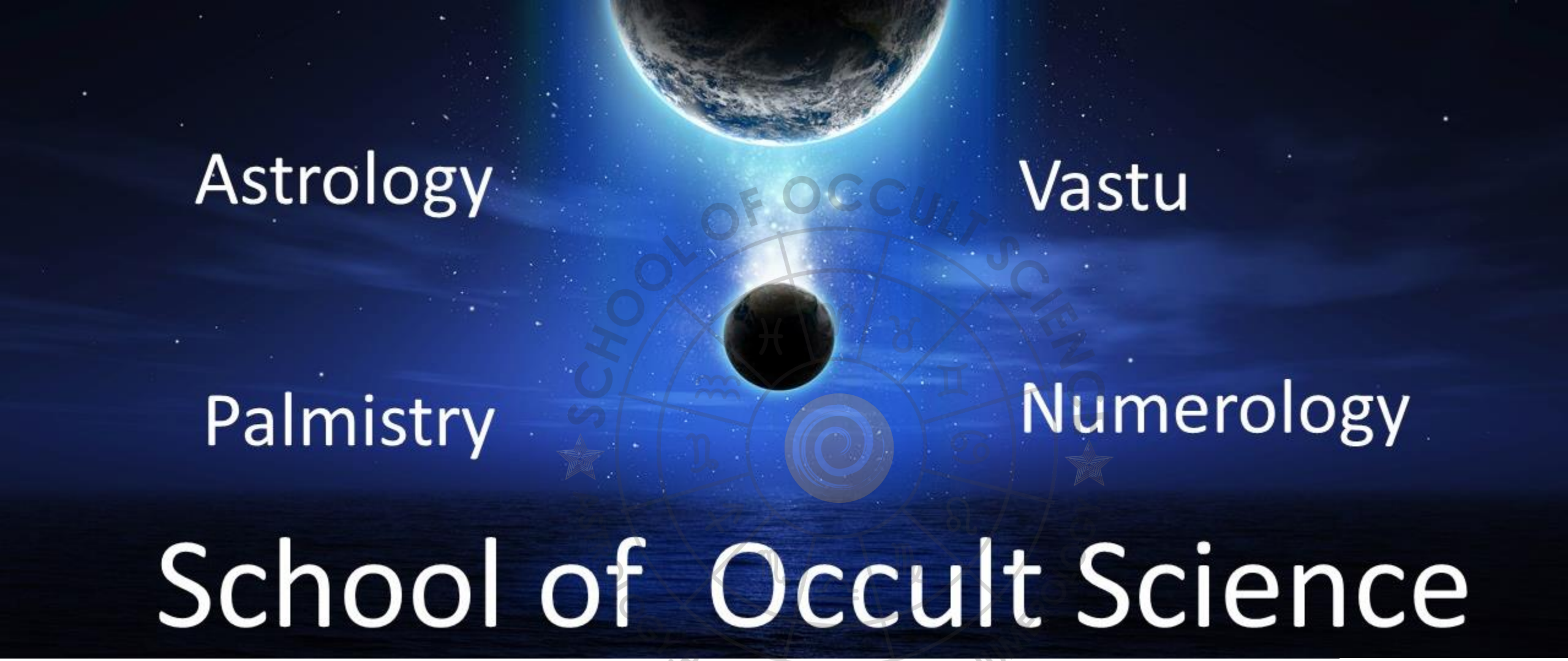

Astro Scholar – Horoscope Making

School of Occult Science

Time Zone

- **Standard Time** : Standard time is the synchronization of clocks within a geographical area or region to a single time standard, rather than using solar time or a locally chosen meridian to establish a local mean time standard.

- **Local Time** : Time at a particular place as measured from the sun's transit over the meridian at that place, defined as noon.

- The key **difference between Local Time** and **Standard Time** lies **in the** fact that **local time** refers to the **time** which is estimated based on the sun's movement, while **standard time** refers to the **time** which is fixed for particular places by the law of a country.

- **Local Mean Time (LMT)** is a type of solar time, a timekeeping method using the Sun's movements across the sky. It is based on the average length of a solar day. A sundial shows the true or apparent solar time. Because the Earth's rotation is not constant, solar days vary slightly in length. This means that the speed of true solar time is not constant.

Sidereal Time

- **Sidereal Time** :
- One Solar day is the time between two successive passages of the sun across the meridian as observed at a particular place. In astrology, we are interested in motion of stars. We want to know the time period of earth when any star is observed to return to the same position. Such a clock is called a sidereal clock and its time, being regulated by stars is called sidereal time.
- Sidereal time is the angle, measured along the celestial equator, from the observer's meridian to the great circle that passes through the March equinox and both celestial poles, and is usually expressed in hours, minutes, and seconds.
- Sidereal time is the "**time** scale that is based on Earth's rate of rotation measured relative to the fixed stars". Viewed from the same location, a star seen at one position in the sky will be seen at the same position on another night at the same **sidereal time**.
- A **sidereal day** is approximately 23 hours, 56 minutes, 4.0905 seconds

Sidereal Time Table

Table-1 : Sidereal Time at 00:00 hrs.

(For 82°30'E Long. & for 2001 A.D.)

Date	Sid.Time	Date	Sid.Time	Date	Sid.Time	Date	Sid.Time	Date	Sid.Time
	HH:MM:SS		HH:MM:SS		HH:MM:SS		HH:MM:SS		HH:MM:SS
	January	5	8:59:57	13	11:21:53	19	13:47:45	26	16:13:38
1	6:41:57	6	9:03:53	14	11:25:49	20	13:51:42	27	16:17:34
2	6:45:54	7	9:07:50	15	11:29:46	21	13:55:38	28	16:21:31
3	6:49:50	8	9:11:46	16	11:33:42	22	13:59:35	29	16:25:27
4	6:53:47	9	9:15:43	17	11:37:39	23	14:03:31	30	16:29:24
5	6:57:43	10	9:19:39	18	11:41:35	24	14:07:28	31	16:33:21
6	7:01:40	11	9:23:36	19	11:45:32	25	14:11:25		**June**
7	7:05:37	12	9:27:33	20	11:49:29	26	14:15:21	1	16:37:17
8	7:09:33	13	9:31:29	21	11:53:25	27	14:19:18	2	16:41:14
9	7:13:30	14	9:35:26	22	11:57:22	28	14:23:14	3	16:45:10
10	7:17:26	15	9:39:22	23	12:01:18	29	14:27:11	4	16:49:07
11	7:21:23	16	9:43:19	24	12:05:15	30	14:31:07	5	16:53:03
12	7:25:19	17	9:47:15	25	12:09:11		**May**	6	16:57:00

GMT, Birth Time and Conversion into LMT

- Greenwich Time : **Greenwich Mean Time** (**GMT**) is the mean solar time at the Royal Observatory in Greenwich, London
- Indian Standard Time is GMT + 5 hours 30 min
- Birth Time : Indian Standard Time
- LMT to be calculated to make a horoscope :
- LMT = IST + (Longitude of birth place - 82^{o} 30’)x4 (Earth rotates 1 degree in 4 min)

Horoscope making

Steps :

1. Calculation of the Ascendant
2. Calculation of the X house
3. Calculation of mid and end of each house
4. Position of planets from Ephimeris for the date of birth and next date.
5. Calculate speed of planet and then actual position of each planet.

Calculation of the Ascendant (Lagna)

Method to Calculate Lagna

DOB : 12th June 1987 at 15:55 hrs in Calcutta

First of all calculate sidereal time of birth with the help of Table one

Sidereal time for 12th June 2001	= 17h 20m 39s
Correction for 1987 (Table 2)	= (-) 2m 24s
Sidereal time at noon on 12 th June 1987	= 17h 18m 15s
Correction for Calcutta (table 3)	= (-) 4s
	= 17h 18m 11s.....i)

Birth time to LMT :

Birth Time : 3:55 pm IST.

Now we will change the birth time which is 3:55 into local time.

Longitude of Calcutta is 88°20' and longitude of standard meridian of India is 82°30'

Difference : 5°50'

As earth rotates one degree in 4 min, we multiply it by 4.

The result is 20 minutes and 200 seconds which is equivalent to 23 min and 20 seconds.

Since Calcutta is on eastern side to India's standard meridian so this time difference will be added to Indian Standard Time

IST of birth	= 15h 55m 00s
LMT Correction	=+00h 23m 20s
LMT at birth	= 16h 18m 20s
Refer table 4 for sidereal time correction	
Sidereal Time correction for 16hrs	= + 02m 38s
Sidereal Time correction for 18 min	= + 00m 03s
	= 16h 21m 01s.....ii)

Add Equation (i) and (ii)

Value of Equation (i)	= 17h 18m 11s
Value of Equation (ii)	= 16h 21m 01s
	= 33h 39m 12s
Reducing (-24 hrs)	= 9h 39m 12s
Sidereal time of the event (birth)	**= 9h 39m 12s**

Lagna calculation (Cont)

Lagna for 09h 40m	=	6ˢ	25°	49′	
Lagna for 09h 30m	=	6ˢ	23°	37′	
Lagna moved in 10 minutes	=		2°	12′	
Lagna moved in 600 second	=	132′			
Difference of lagna for 9 minutes 12s =552 s	=	132′ x 552″ / 600″			
	=	121′ 26″ = 2° 1′ 26″			
Lagna on 09h 30m	=	6ˢ	23°	37′	00″
9m 12s = 552 second for lagna moved	=	+	2°	01′	26″
	=	6ˢ	25°	38′	26″
Ayanansh correction for 1987 see Table-5	=	+	0°	19′	00″
Lagna	=	6ˢ	25°	57′	26″

Calculation of X house

Calculation of X house

To calculate X house, refer to table of X house for the sidereal time 9h 39m 12sec as shown below:

Longitude of X house at 9h 40m = $3^s\ 28^o\ 39'$

Longitude of X house at 9h 30m = (-)$3^s\ 26^o\ 06'$

Difference in 10 min = $2^o\ 33'$

Difference in 600'' =153'

Longitude of X house at 9m 12s (or552'') = $\frac{153' \times 552}{600}$

= $140'\ 45'' = 2^o\ 20'\ 45''$

Longitude of X house at 9h 30m = $3^s\ 26^o\ 06'$

Difference for 9m 12 s = + $2^o\ 20'\ 45''$

= $3s\ 28^o\ 26'\ 45''$

Ayanamsa Correction for year 1987 + $0^o\ 19'\ 00''$

Longitude for X house =$3s\ 28^o\ 45'\ 45''$

Shashtiamsha

Ascendant : $6^{s}\ 25^{o}57'26''$

Longitude of 10^{th} house (mid) : $3s\ 28^{o}\ 45'\ 45''$

$$\frac{\text{Ascendant} - \text{Tenth house}}{6} = \text{Shashtiamsha}$$

$6^{s}\ 25^{o}57'26'' - 3s\ 28^{o}\ 45'\ 45''$

$= 2^{s}\ 27^{o}\ 11'\ 41'' =$ Ascendant – tenth house

$$\text{Shashtiamsha} = \frac{2^{s}\ 27^{o}\ 11'\ 41''}{6} = 14^{o}\ 31'\ 57''$$

4th and 2nd Quarter Houses

X Mid	3s 28° 45’ 45’’	+ 6s = 9s 28° 45’ 45’’	IV Mid
	+ 14° 31’ 57’’		
X End	4s 13° 17’ 42’’	+ 6s = 10s 13° 17’ 42’’	IV End
	+ 14° 31’ 57’’		
XI Mid	4s 27° 49’ 39’’	+ 6s = 10s 27° 49’ 39’’	V Mid
	+ 14° 31’ 57’’		
XI End	5s 12° 21’ 36’’	+ 6s = 11s 12° 21’ 36’’	V End
	+ 14° 31’ 57’’		
XII Mid	5s 26° 53’ 33’’	+ 6s = 11s 26° 53’ 33’’	VI Mid
	+ 14° 31’ 57’’		
XII End	6s 11°25’30’’	+ 6s = 12s 11°25’30’’	VI End

Shashtiamsha 2

$$\frac{\text{Now } 4^{th} \text{ Mid} - 1^{st} \text{ Mid}}{6} = \text{Shashtiamsa 2}$$

$$\frac{9s\ 28^{o}\ 45'\ 45'' - 6^{s}\ 25^{o}57'26''}{6} = \text{Shashtiamsa 2}$$

$$\frac{3s\ 2^{o}\ 48'\ 19''}{6} = 15^{o}\ 28'\ 3'' = \text{Shashtiamsa 2}$$

1st and 3rd Quarter Houses

I Mid	$6^s\ 25^o\ 57'\ 26''$	+	6^s	=	$12^s\ 25^o 57' 26''$ VII Mid
	$+\ 15^o\ 28'\ 3''$				
I End	$7^s\ 11^o\ 25'\ 29''$	+	6^s	=	$1^s\ 11^o\ 25'\ 29''$ VII End
	$+\ 15^o\ 28'\ 3''$				
II Mid	$7^s\ 26^o\ 53'\ 32''$	+	6^s	=	$1^s\ 26^o\ 53'\ 32''$ VIII Mid
	$+\ 15^o\ 28'\ 3''$				
II End	$8^s\ 12^o 21'\ 35''$	+	6^s	=	$2^s\ 12^o 21'\ 35''$ VIII End
	$+\ 15^o\ 28'\ 3''$				
III Mid	$8^s\ 27^o\ 49'\ 38''$	+	6^s	=	$2^s\ 27^o\ 49'\ 38''$ IX Mid
	$+\ 15^o\ 28'\ 3''$				
III End	$9^s\ 13^o\ 17'\ 41''$	+	6^s	=	$3^s\ 13^o\ 17'\ 41''$ IX End

Ephimeris for June 1987

- Ref : https://horoscopes.astro-seek.com/calculate-astrology-ephemeris-june-1987/?table=&bg_0=&aya=lahiri&presnost=0&barva=p&uzel_true=&lilith_true=

Ephemeris: Longitude | Tropical/Sidereal: Sidereal: Lahiri | Accuracy: Degrees° | Symbols: Coloured | Node: Mean | Lilith: Mean

Sidereal Vedic Ephemeris - June 1987
(Ayanamsha: Lahiri - 23°40′)

Date 00:00 [UT/GMT]		Sid.t.	☉	☾	☿	♀	♂	♃	♄	♅	♆	♇	☊	⚸	⚷
1	Mo	16:35	♉16°19′	♋4°37′	♊8°50′	♈23	♊13	♓27	♏24	♐1	♐13	♎14	♓14	♊27	♉27
2	Tu	16:39	♉17°16′	♋16°28′	♊10°08′	♈25	♊14	♓27	♏24	♐1	♐13	♎14	♓14	♊27	♉27
3	We	16:43	♉18°14′	♋28°21′	♊11°23′	♈26	♊14	♓27	♏24	♐1	♐13	♎14	♓14	♊27	♉27
4	Th	16:47	♉19°11′	♌10°22′	♊12°35′	♈27	♊15	♓27	♏24	♐1	♐13	♎13	♓14	♊27	♉27
5	Fr	16:51	♉20°08′	♌22°34′	♊13°43′	♈28	♊15	♓27	♏24	♐1	♐13	♎13	♓14	♊27	♉27
6	Sa	16:55	♉21°06′	♍5°02′	♊14°48′	♈29	♊16	♓28	♏24	♐1	♐13	♎13	♓14	♊28	♉27
7	Su	16:59	♉22°03′	♍17°53′	♊15°49′	♉1	♊17	♓28	♏24	♐1	♐13	♎13	♓14	♊28	♉27
8	Mo	17:03	♉23°01′	♎1°09′	♊16°47′	♉2	♊17	♓28	♏24	♐1	♐13	♎13	♓14	♊28	♉27
9	Tu	17:07	♉23°58′	♎14°54′	♊17°41′	♉3	♊18	♓28	♏24	♐1	♐13	♎13	♓14	♊28	♉28
10	We	17:11	♉24°55′	♎29°07′	♊18°31′	♉4	♊19	♓28	♏24	♐1	♐13	♎13	♓14	♊28	♉28
11	Th	17:15	♉25°53′	♏13°45′	♊19°17′	♉6	♊19	♓28	♏24	♐1	♐13	♎13	♓14	♊28	♉28
12	Fr	17:19	♉26°50′	♏28°42′	♊19°59′	♉7	♊20	♓29	♏23	♐1	♐13	♎13	♓14	♊28	♉28
13	Sa	17:23	♉27°47′	♐13°50′	♊20°37′	♉8	♊21	♓29	♏23	♐1	♐13	♎13	♓14	♊28	♉28
14	Su	17:27	♉28°45′	♐28°58′	♊21°12′	♉9	♊21	♓29	♏23	♐1	♐13	♎13	♓14	♊28	♉28
15	Mo	17:30	♉29°42′	♑13°55′	♊21°41′	♉10	♊22	♓29	♏23	♐1	♐13	♎13	♓14	♊29	♉28
16	Tu	17:34	♊0°39′	♑28°35′	♊22°07′	♉12	♊23	♓29	♏23	♐1	♐13	♎13	♓14	♊29	♉28
17	We	17:38	♊1°37′	♒12°52′	♊22°28′	♉13	♊23	♈0	♏23	♐1	♐13	♎13	♓13	♊29	♉28
18	Th	17:42	♊2°34′	♒26°45′	♊22°45′	♉14	♊24	♈0	♏23	♐0	♐13	♎13	♓13	♊29	♉28
19	Fr	17:46	♊3°31′	♓10°15′	♊22°57′	♉15	♊24	♈0	♏23	♐0	♐13	♎13	♓13	♊29	♉28
20	Sa	17:50	♊4°28′	♓23°23′	♊23°04′	♉17	♊25	♈0	♏23	♐0	♐13	♎13	♓13	♊29	♉29
21	Su	17:54	♊5°26′	♈6°14′	♊23°07′	♉18	♊26	♈0	♏23	♐0	♐13	♎13	♓13	♊29	♉29
22	Mo	17:58	♊6°23′	♈18°50′	♊23°06′	♉19	♊26	♈0	♏23	♐0	♐13	♎13	♓13	♊29	♉29
23	Tu	18:02	♊7°20′	♉1°14′	♊23°00′	♉20	♊27	♈1	♏23	♐0	♐13	♎13	♓13	♋0	♉29
24	We	18:06	♊8°17′	♉13°29′	♊22°49′	♉21	♊28	♈1	♏23	♐0	♐13	♎13	♓13	♋0	♉29
25	Th	18:10	♊9°15′	♉25°36′	♊22°35′	♉23	♊28	♈1	♏23	♐0	♐13	♎13	♓13	♋0	♉29
26	Fr	18:14	♊10°12′	♊7°37′	♊22°16′	♉24	♊29	♈1	♏22	♐0	♐13	♎13	♓13	♋0	♉29
27	Sa	18:18	♊11°09′	♊19°34′	♊21°54′	♉25	♋0	♈1	♏22	♐0	♐12	♎13	♓13	♋0	♉29
28	Su	18:22	♊12°06′	♋1°26′	♊21°28′	♉26	♋0	♈1	♏22	♐0	♐12	♎13	♓13	♋0	♉29
29	Mo	18:26	♊13°04′	♋13°17′	♊20°59′	♉27	♋1	♈1	♏22	♐0	♐12	♎13	♓13	♋0	♉29
30	Tu	18:30	♊14°01′	♋25°08′	♊20°27′	♉29	♋2	♈2	♏22	♐0	♐12	♎13	♓13	♋0	♉29

Position of Sun and Moon

Longitude of Sun :

Position of Sun on 12th June 1987 5:30 am: $1^{s}26^{o}50'$

Position of Sun on 13th June 1987 5:30 am: $1^{s}27^{o}47'$

Sun moved 57' in 24 hours.

Distance moved in 1 hour = 2.375' = 2' 22''

Distance moved in 15:55-5:30 hrs = 10hrs 25 min i.e. 10.41666666 hours is 24.73958' or 24' 44''

Therefore position of Sun on 12th June 1987 at 15:55 hrs is $26^{o}50'$ + 24' 44'' = 27^{o} 14' 44'' in Taurus

Longitude of Moon :

Position of Moon on 12th June 1987 5:30 am: 7^{s} $28^{o}42'$

Position of Moon on 13th June 1987 5:30 am: 8^{s} 13^{o} 50'

Moon moved 15^{o} 8' in 24 hours.

Distance moved in 1 hour = 0.630555^{o}= 37' 50''

Distance moved in 15:55-5:30 hrs = 10hrs 25 min i.e. 10.41666666 hours is 6.56828^{o} or $6^{o}34'$ 6''

Therefore position of Moon on 12th June 1987 at 15:55 hrs is 7^{s} 28^{o} 42' + $6^{o}34'$ 6'' = 8^{s} 5^{o} 16' 6''